CLAIMS

1. A computer readable medium having computer-executable instructions, the instructions comprising:

receiving a string in an interactive environment;

identifying an attribution within the string;

identifying a construct associated with the attribution; and

saving information that correlates the attribution with the construct.

2. The computer readable medium of claim 1, wherein the attribution specifies a constraint for the construct.

3. The computer readable medium of claim 1, wherein the construct comprises a variable, a structure, a function, or a script.

4. The computer readable medium of claim 1, wherein the information comprises metadata.

5. The computer readable medium of claim 1, further comprising applying the attribution to the construct when the construct is encountered interactively.

6. The computer readable medium of claim 1, wherein the string comprises a command string entered in a command line environment.

7. The computer readable medium of claim 1, wherein the string comprises a portion of a script.

8. The computer readable medium of claim 1, wherein identifying the attribution comprises identifying a plurality of attributions associated with the construct.

9. The computer readable medium of claim 1, wherein the attribution specifies a type for the construct.

10. The computer readable medium of claim 1, wherein the attribution specifies applying intellisense to the construct to auto-complete the construct.

11. The computer readable medium of claim 1, wherein the attribution specifies applying a predicate directive to the string that is operative to determine whether processing of the string continues.

12. The computer readable medium of claim 1, wherein the attribution specifies applying a parsing directive that is operative to direct a manner for obtaining the construct.

13. The computer readable medium of claim 1, wherein the attribution specifies a data generation directive that is operative to generate a set of information that is stored in the construct.

14. The computer readable medium of claim 1, wherein the attribution specifies a data validation directive that is operative to determine whether a value assigned to the construct meets a criterion specified by the attribution.

15. A method for handling constraints specified within an interactive environment, the method comprising:

identifying a pre-defined begin symbol and end symbol within a string entered in an interactive environment;

identifying a constraint name between the begin symbol and the end symbol; and

identifying a construct following the end symbol.

16. The method of claim 15, further comprising applying the constraint to the construct whenever the construct is encountered within the interactive environment.

17. The method of claim 16, wherein the constraint comprises a predicate directive and applying the constraint comprises determining whether a condition has been met before continuing processing of the construct.

18. The computer readable medium of claim 16, wherein the attribution specifies applying intellisense to the construct to auto-complete the construct.

19. The computer readable medium of claim 16, wherein the attribution specifies applying a parsing directive that is operative to direct a manner for obtaining the construct.

20. The computer readable medium of claim 16, wherein the attribution specifies a data generation directive that is operative to generate a set of information that is stored in the construct.

21. The computer readable medium of claim 16, wherein the attribution specifies a data validation directive that is operative to determine whether a value assigned to the construct meets a criterion specified by the attribution.

22. The method of claim 15, wherein the begin symbol comprises a left bracket and the end symbol comprises a right bracket.

23. A system the handles input parameters, the system comprising:

a means for processing; and

a memory means, the memory means being allocated for a plurality of computer-executable instructions which are loaded into the memory means for execution by the means for processing, the competer-executable instructions performing a method comprising:

a means for receiving a string in an interactive environment;

a means for identifying an attribution within the string;

a means for identifying a construct associated with the attribution; and

a means for saving information that correlates the attribution with the construct.

24. The system of claim 23, further comprising a means for applying the attribution to the construct when the construct is encountered interactively.